

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	289	HSG and suspension	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 19:53
L2	231	L1 and @ad<"20031201"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 19:57
L3	58	L2 and silicon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 19:52
L4	25	HSG with (solvent or suspension or liquid or colloid\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 19:57
L5	831	(438/685).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/15 19:57
L6	724	L5 and @ad<"20031201"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 20:23
L7	163	L6 and (solvent or suspension or liquid or colloid\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 19:58
L8	71	L6 and (solvent or suspension or liquid or colloid\$3) and (\$5particle or \$5crystal)	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 20:08
L9	2	("20030170981").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/15 20:09

## EAST Search History

L10	63854	spin near coat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 20:12
L11	1950426	\$5crystal or \$5particle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 20:12
L12	31164	L10 and L11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 20:12
L13	1818	L10 with L11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 20:15
L14	39752	(atomic near layer near deposit\$4) or ALD	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 20:13
L15	5	L13 and L14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 20:13
L16	5	L13 and L15	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 20:15

## EAST Search History

L17	0	L13 and L5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 20:15
L18	40	L13 and (438/597-688.ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 20:22
L19	0	fununaga-akria.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 20:22
L20	0	fununaga-akira.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 20:23
L21	192	fukunaga-akira.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 20:23
L22	151	L21 and @ad<"20031201"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 21:18
L23	4	("5966580"   "5993701"   "6358611"   "6517642").PN. OR ("6972256"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 20:26
L24	10	("3540863"   "4045596"   "4395440"   "4731295"   "4800064"   "5966580"   "5993546"   "6124215"   "6168694").PN. OR ("6780245"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 20:27

## EAST Search History

L25	26	("20020160103"   "20020177143"   "20030039860"   "3814696"   "4186244"   "4680204"   "5147841"   "5314541"   "5328681"   "5679059"   "5683501"   "5912257"   "6054507"   "6080670"   "6103868"   "6139591"   "6231834"   "6235224"   "6262129"   "6272768"   "6346741"   "6358611"   "6369206"   "6503831").PN. OR ("6743395").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 20:35
L26	1255	sputter and conductive and SEM	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 20:35
L27	231	sputter and conductive and SEM and imaging	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 20:35
L28	150	sputter and conductive and SEM and imaging and improve	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 20:35
L29	43	sputter and conductive and SEM and imaging and improve and nanoparticle	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 20:35
L30	9	("3653953"   "3671597"   "4351266"   "4622917"   "5045353"   "5633208"   "5868917"   "6074981"   "6165598").PN. OR ("6709555").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 20:57
L31	1	(tungsten adj silicide) same nanoparticle	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 20:58
L32	178	(tungsten adj silicide) same particle	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 21:17
L33	8342	dual adj damascene	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 21:17
L34	32782	titanium adj nitride	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 21:18
L35	9753	((titanium adj nitride) or (tungsten near silicide)) with barrier	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 21:18
L36	2814	l33 and l34	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 21:18

## EAST Search History

L37	2159	L36 and @ad<"20031201"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 21:34
L38	29	("4300149"   "4556897"   "5278099").PN. OR ("5480836"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 21:26
L39	2008	L37 and ("257".clas. or "438".clas.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 21:34
L40	869	nanoparticle and capacitor and electrode	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 21:34
L41	417	L40 and @ad<"20031201"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 21:38
L42	34	nanosphere with lithography	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 21:38
L43	20	L42 and @ad<"20031201"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 21:56

## EAST Search History

L44	3	("6808983").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/15 21:56
L45	6	("20020074565"   "20020144644"   "6413672"   "6465301"   "6576947"   "6638862").PN. OR ("6808983"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 22:21
L46	2	("20030224104").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/15 22:34
L47	4	((("20030026989") or ("20020137260"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/15 22:34
S1	0	("liquidwithsuspension").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/15 13:06
S2	145934	liquid with suspension	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 13:06
S3	1950426	\$5particle or \$5crystal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 13:07

## EAST Search History

S4	63854	(spin near coat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 13:08
S5	8417064	(Tungsten or W\$1) or (tantalum or Ta\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 15:48
S6	974	S2 and S3 and S4 and S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 13:10
S7	678	S6 and @ad<"20031201"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 15:40
S8	2235	(427/191-192,201,205,241).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/15 15:40
S9	1229	S8 and @ad<"20031201"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 14:49
S10	2	("6472014").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/15 14:49

## EAST Search History

S11	18	("2430534"   "2668787"   "3378361"   "3508890"   "3513012"   "3591350"   "4959255"   "5473111"   "5945213"   "5997956"   "6030509"   "6136165").PN. OR ("6472014").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 14:50
S12	10	("4248940").PN. OR ("5894053").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 15:18
S13	563	(427/185).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/15 15:41
S14	374	S13 and @ad<"20031201"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 15:47
S15	2200	(427/215-217).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/15 15:42
S16	1501	S15 and @ad<"20031201"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 19:51
S17	6411	"427".clas. and \$5particle and suspension	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 15:47
S18	4564	"427".clas. and (\$5particle same (suspension or evaporat\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 15:47



## EAST Search History

S19	2953	S18 and @ad<"20031201"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 15:48
S20	2108	S19 and S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 15:54
S21	1750763	semiconductor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 15:54
S22	346	S20 and S21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/15 15:55
S23	16	("5186973"   "5485804"   "5536202"   "5665201"   "5921856").PN. OR ("6054183").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 16:27
S24	34	("4652467"   "4849284"   "4865875"   "4987101"   "4994302"   "5055342"   "5103288"   "5149590"   "5354611"   "5453293"   "5470802"   "5494858"   "5494859"   "5504042"   "5561318"   "5614250").PN. OR ("5801092"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/11/15 19:51